IN THE CLAIMS:

Please amend claims 3, 8, 9, 11, 14, 17, and 19, as follows:

A1

3. A nuclear magnetic resonance tomograph characterized in that it comprises at least one computer according to Claim 1.

A2

8. The method according to Claim 4, characterized in that the relaxation signal is divided into at least one part that is dependent on the echo time T_E and into at least one part that is not dependent on the echo time T_E.

9. The method according to Claim 4, characterized in that at least one signal is determined that is proportional to $T_E \exp(-T_E / T_2^*)$.

A3

11. The method according to Claim 4, characterized in that statistical fluctuations of ΔT_2^* are ascertained.

A4

14. The method according to Claim 4, characterized in that a statistical deviation of an initial intensity S_0 is ascertained.

A5

17. The method according to Claim 4, characterized in that a statistical fluctuation of a noise signal g is ascertained.

A6

19. The method according to Claim 4, characterized in that the recorded data is